Complex Light and Optical Forces X

Glückstad, Jesper; Andrews, David L. ; Galvez, Enrique Jose

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Introduction

This year marked the 10th Anniversary Edition of the conference on Complex Light and Optical Forces that is part of Photonics West. We again had a record number of submissions, indicative of the rising visibility and stature of this conference. Indeed, Complex Light and Optical Forces is still the only yearly venue worldwide for presenting research on complex light. This year we did not find a need to organize joint sessions with other conferences at Photonics West.

The 10th anniversary of our conference had three full days of sessions with the following 12 sessions: Toast to 10th Year of Complex Light and Optical Forces; Quantum Aspects; Microfabrication for Beam Engineering; Beam Engineering and Applications; Measurements and Calibration; Superposition Effects; Chirality; Modes, Propagation and Transmission; Nanostructures and Near-field; Particle Trapping, Manipulation, and Tracking; Laser Microfabrication and Microassembly; Optical Forces, Enhancement and Other Effects. The conference featured more than 60 presentations, with numerous invited, contributed, and poster presentations.

Bringing most of these papers to the SPIE proceedings provides a welcome opportunity to thank all the contributors. In particular we gladly acknowledge the support of the members of our highly active and supportive Program Committee, whose sterling work underpins the success of this conference each year. We remain indebted to the SPIE staff at every level, for reliable management and production processes, achieved with customary hallmark professionalism.

In summary, the present volume is representative of a strongly growing field of photonics that has contributed much to our understanding of light and its applications in manipulation, and which remains leaving much promise of more to come.

Jesper Glückstad
David L. Andrews
Enrique J. Galvez